

```

EEEEEEEEEEEEEEEEEE RRRRRRRRRRRR FFFFFFFF
EEEEEEEEEEEEEEEEEE RRRRRRRRRRRR FFFFFFFF
EEEEEEEEEEEEEEEEEE RRRRRRRRRRRR FFFFFFFF
EEE RRR RRR FFF
EEE RRR RRR FFF
EEE RRR RRR FFF
EEE RRR RRR FFF
EEE RRR RRR FFF
EEE RRR RRR FFF
EEEEEEEEEEEEEEEEEE RRRRRRRRRRRR FFFFFFFF
EEEEEEEEEEEEEEEEEE RRRRRRRRRRRR FFFFFFFF
EEEEEEEEEEEEEEEEEE RRRRRRRRRRRR FFFFFFFF
EEE RRR RRR FFF
EEE RRR RRR FFF
EEE RRR RRR FFF
EEE RRR RRR FFF
EEE RRR RRR FFF
EEE RRR RRR FFF
EEEEEEEEEEEEEEEEEE RRRRRRRRRRRR FFFF
EEEEEEEEEEEEEEEEEE RRRRRRRRRRRR FFFF
EEEEEEEEEEEEEEEEEE RRRRRRRRRRRR FFFF

```

[illegible]

```
UU      UU  NN      NN  KK      KK  NN      NN      000000  WW      WW  NN      NN
UU      UU  NN      NN  KK      KK  NN      NN      000000  WW      WW  NN      NN
UU      UU  NN      NN  KK      KK  NN      NN      00      00  WW      WW  NN      NN
UU      UU  NN      NN  KK      KK  NN      NN      00      00  WW      WW  NN      NN
UU      UU  NNNN     NN  KK      KK      KK  NNNN     NN      00      00  WW      WW  NNNN     NN
UU      UU  NNNN     NN  KK      KK      KK  NNNN     NN      00      00  WW      WW  NNNN     NN
UU      UU  NN      NN  KKKKKK  KK      NN      NN      00      00  WW      WW  NN      NN
UU      UU  NN      NN  KKKKKK  KK      NN      NN      00      00  WW      WW  NN      NN
UU      UU  NN      NN  KKKKKK  KK      NN      NN      00      00  WW      WW  NN      NN
UU      UU  NN      NN  KK      KK      KK  NN      NN      00      00  WW      WW  NN      NN
UU      UU  NN      NN  KK      KK      KK  NN      NN      00      00  WW      WW  NN      NN
UU      UU  NN      NN  KK      KK      KK  NN      NN      00      00  WW      WW  NN      NN
UUUUUUUUUU  NN      NN  KK      KK      KK  NN      NN      000000  WW      WW  NN      NN
UUUUUUUUUU  NN      NN  KK      KK      KK  NN      NN      000000  WW      WW  NN      NN
                                     ....
                                     ....
                                     ....
                                     ....
```

```
LL      IIIIII  SSSSSSSS
LL      IIIIII  SSSSSSSS
LL      II      SS
LL      II      SS
LL      II      SS
LL      II      SS
LL      II      SSSSSS
LL      II      SSSSSS
LL      II      SS
LL      II      SS
LL      II      SS
LL      II      SS
LLLLLLLLLLL  IIIIII  SSSSSSSS
LLLLLLLLLLL  IIIIII  SSSSSSSS
```


M 15
16-Sep-1984 00:29:50
5-Sep-1984 14:24:50

VAX-11 FORTRAN V3.4-56
DISK\$VMSMASTER:[ERF.SRC]UNKNOWN.FOR;1

Page 1

```
0001      SUBROUTINE UNKNOWN (LUN,HEADER)
0002      C
0003      C Version:      'V04-000'
0004      C
0005      C*****
0006      C*
0007      C* COPYRIGHT (c) 1978, 1980, 1982, 1984 BY
0008      C* DIGITAL EQUIPMENT CORPORATION, MAYNARD, MASSACHUSETTS.
0009      C* ALL RIGHTS RESERVED.
0010      C*
0011      C* THIS SOFTWARE IS FURNISHED UNDER A LICENSE AND MAY BE USED AND COPIED
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0022      C* DIGITAL ASSUMES NO RESPONSIBILITY FOR THE USE OR RELIABILITY OF ITS
0023      C* SOFTWARE ON EQUIPMENT WHICH IS NOT SUPPLIED BY DIGITAL.
0024      C*
0025      C*
0026      C*****
0027      C
0028      C
0029      C
0030      C      AUTHOR  BRIAN PORTER      CREATION DATE  26-OCT-1979
0031      C
0032      C++
0033      C      Functional desription:
0034      C
0035      C      This module displays entries that are not known to sye
0036      C
0037      C      Modified by:
0038      C
0039      C      V03-002  SAR0215      Sharon A. Reynolds,      28-Mar-1984
0040      C      Changed the label output for UCB$$_OWNUIIC to
0041      C      ORB$$_OWNER.
0042      C
0043      C      V03-001  SAR0105      Sharon A. Reynolds,      20-Jun-1983
0044      C      Changed the carriage control in the 'format' statements
0045      C      for use with ERF.
0046      C
0047      C      v02-003  BP0003      Brian Porter,      02-NOV-1981
0048      C      Added device attention support.
0049      C
0050      C      v02-002  BP0002      Brian Porter,      18-AUG-1981
0051      C      Removed unused code.
0052      C
0053      C      v02-001  BP0001      Brian Porter,      01-MAY-1981
0054      C      Added code to allow upper 16 bits of emb$$_dv_numreg to
0055      C      be used as a flag word, but not cause integer o'flow in
0056      C      this module.
0057      C**
```

N 15
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VAX-11 FORTRAN V3.4-56
DISK\$VMSMASTER:[ERF.SRC]UNKNO'WN.FOR;1

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```
0058 C--
0059
0060 INCLUDE 'SRC$:MSGHDR.FOR /NOLIST'
0119 INCLUDE 'SRC$:DEVERR.FOR /NOLIST'
0220 INCLUDE 'SRC$:VOLMOUNT.FOR /NOLIST'
0284
0285
0286
0287
0288 BYTE LUN
0289
0290 BYTE GROUP
0291
0292 BYTE MEMBER
0293
0294 INTEGER*4 I
0295
0296 INTEGER*4 FIELD
0297
0298 INTEGER*4 COMPRESS4
0299
0300 INTEGER*4 EMB$$_HD_TIME(0:1)
0301 EQUIVALENCE (EMB$$_HD_TIME,EMB$$_HD_TIME(0))
0302
0303 INTEGER*4 DDB$$_NAME(0:3)
0304 EQUIVALENCE (EMB(82),DDB$$_NAME)
0305
0306 LOGICAL*4 SYSS$FAO
0307
0308 EXTERNAL SYSS$FAO
0309
0310 CHARACTER*3 FAO_CONTROL1
0311
0312 CHARACTER*(*) HEADER
0313
0314 CHARACTER*16 DEVICE_NAME
0315
0316 CHARACTER*16 DDB$$_NAME
0317 EQUIVALENCE (EMB(82),DDB$$_NAME)
0318
0319 DATA FAO_CONTROL1 /'!AF'/
0320
0321
0322
0323
0324 ENTRY UNKNOWN1 (LUN)
0325
0326
0327
0328 CALL LINCHK (LUN,3)
0329
0330 WRITE(LUN,2)
0331 2 FORMAT(/' ', 'ERROR LOG RECORD',/)
0332
0333 CALL LINCHK (LUN,2)
0334
0335 WRITE(LUN,5) EMB$$_HD_SID
```



```
0336 5 FORMAT(' ',T8,'ERF$$_SID',T24,Z8.8,/,T40,'SYSTEM ID REGISTER')
0337
0338 CALL LINCHK (LUN,2)
0339
0340 10 WRITE(LUN,10) EMB$$_HD_ENTRY
0341 FORMAT(' ',T8,'ERL$$_ENTRY',T28,Z4.4,/,T40,'ERROR ENTRY TYPE')
0342
0343 CALL LINCHK (LUN,2)
0344
0345 15 WRITE(LUN,15) EMB$$_HD_TIME(0),EMB$$_HD_TIME(1)
0346 FORMAT(' ',T8,'EXE$$_SYS TIME',T24,Z8.8,/,T24,Z8.8,T40,
0347 1 '64 BIT TIME WHEN ERROR LOGGED')
0348
0349 CALL LINCHK (LUN,2)
0350
0351 FIELD = LIB$EXTZV(0,16,EMB$$_HD_ERRSEQ)
0352
0353 20 WRITE(LUN,20) EMB$$_HD_ERRSEQ,FIELD
0354 FORMAT(' ',T8,'ERL$$_GL SEQUENCE',T28,Z4.4,/,T40,
0355 1 'UNIQUE ERROR SEQUENCE = ',I<COMPRESS4 (FIELD)>,'.')
0356
0357 RETURN
0358
0359
0360 ENTRY UNKNOWN2 (LUN)
0361
0362
0363
0364
0365 CALL LINCHK (LUN,2)
0366
0367 FIELD = LIB$EXTZV(0,8,EMB$$_DV_ERTCNT)
0368
0369 25 WRITE(LUN,25) EMB$$_DV_ERTCNT,FIELD
0370 FORMAT(' ',T8,'UCB$$_ERTCNT',T30,Z2.2,/,
0371 1 T40,'REMAINING RETRIES = ',I<COMPRESS4 (FIELD)>,'.')
0372
0373 CALL LINCHK (LUN,2)
0374
0375 FIELD = LIB$EXTZV(0,8,EMB$$_DV_ERTMAX)
0376
0377 30 WRITE(LUN,30) EMB$$_DV_ERTMAX,FIELD
0378 FORMAT(' ',T8,'UCB$$_ERTMAX',T30,Z2.2,/,T40,
0379 1 'MAXIMUM RETRIES = ',I<COMPRESS4 (FIELD)>,'.')
0380
0381 CALL LINCHK (LUN,2)
0382
0383 35 WRITE(LUN,35) EMB$$_DV_IOSB1,EMB$$_DV_IOSB2
0384 FORMAT(' ',T8,'IRP$$_IOSB',T24,Z8.8,/,T24,Z8.8,T40,'FINAL IOSB')
0385
0386 CALL LINCHK (LUN,2)
0387
0388 40 WRITE(LUN,40) EMB$$_DV_STS
0389 FORMAT(' ',T8,'UCB$$_STS',T28,Z4.4,/,T40,'DEVICE STATUS')
0390
0391 CALL LINCHK (LUN,2)
0392
```


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VAX-11 FORTRAN V3.4-56 Page 5
DISK\$VMSMASTER:[ERF.SRC]UNKNOWN.FOR:1


```
0507
0508      IF (.NOT. SYSS$FAO(FAO_CONTROL1, DEVICE_NAME, %VAL(16),
0509      1 %REF(DDB$T_NAME))) DEVICE_NAME = 'SYSS$FAO FAILURE'
0510
0511      WRITE(LUN,110) (DDB$T_NAME(I), I = 0,3), DEVICE_NAME
0512 110    FORMAT(' ',T8,'DDB$T_NAME',4(f24,z8.8//),T40,'7',A,'/')
0513
0514      DO 130,I = 0,MIN(432,(iand(EMB$L_DV_NUMREG,'0000ffff'x)*4)),4
0515
0516      CALL LINCHK (LUN,2)
0517
0518      FIELD = I/4 + 1
0519
0520      WRITE(LUN,120) FIELD,(EMB(78+I+J),J = 3,0,-1)
0521 120    FORMAT(' ',T8,'LONGWORD ',I<COMPRESS4 (FIELD)>,'.',T24,z2.2,/)
0522
0523 130    CONTINUE
0524
0525      RETURN
0526
0527
0528
0529      entry unknown3 (lun)
0530
0531
0532
0533      call linchk (lun,2)
0534
0535      write(lun,135) emb$w_dv_sts
0536 135    format(' ',t8,'UCB$W_STS',t28,z4.4,/,t40,'DEVICE STATUS')
0537
0538      call linchk (lun,2)
0539
0540      field = lib$extzv(0,8,emb$b_dv_class)
0541
0542      write(lun,140) emb$b_dv_class,field
0543 140    format(' ',t8,'UCB$B_DEVCLASS',t30,z2.2,/,t40,
0544      1 'DEVICE CLASS = ',i<compress4 (field)>,'.')
0545
0546      call linchk (lun,2)
0547
0548      field = lib$extzv(0,8,emb$b_dv_type)
0549
0550      write(lun,145) emb$b_dv_type,field
0551 145    format(' ',t8,'UCB$B_DEVTYPE',t30,z2.2,/,t40,
0552      1 'DEVICE TYPE = ',i<compress4 (field)>,'.')
0553
0554      call linchk (lun,2)
0555
0556      field = lib$extzv(0,16,emb$w_dv_unit)
0557
0558      write(lun,150) emb$w_dv_unit,field
0559 150    format(' ',t8,'UCB$W_UNIT',t28,z4.4,/,t40,
0560      1 'PHYSICAL UNIT NUMBER = ',i<compress4 (field)>,'.')
0561
0562      call linchk (lun,2)
0563
```



```

0564      field = lib$extzv(0,16,emb$d_v_errcnt)
0565
0566      write(lun,155) emb$d_v_errcnt,field
0567 155    format(' ',t8,'UCB$d_ERRCNT',t28,z4.4,/ ,t40,
0568          1 'UNIT ERROR COUNT = ',i<compress4 (field)>,'.')
0569
0570      call linchk (lun,1)
0571
0572      write(lun,160) (emb$l_dv_opcnt,i = 1,2)
0573 160    format(' ',t8,'UCB$L_OPCNT',t24,z8.8,/ ,t40,
0574          1 'UNIT OPERATION COUNT = ',i<compress4 (emb$l_dv_opcnt)>,'.')
0575
0576      call linchk (lun,2)
0577
0578      group = lib$extzv(16,8,emb$l_dv_ownuic)
0579
0580      member = lib$extzv(0,8,emb$l_dv_ownuic)
0581
0582      write(lun,165) emb$l_dv_ownuic,group,member
0583 165    format(' ',t8,'ORB$L-OWNER',t24,z8.8,/ ,t40,
0584          1 'OWNER UIC = [',o3.3,',',o3.3,']')
0585
0586      call linchk (lun,2)
0587
0588      write(lun,170) emb$l_dv_char
0589 170    format(' ',t8,'UCB$L-DEVCHAR',t24,z8.8,/ ,t40,
0590          1 'DEVICE CHARACTERISTICS')
0591
0592      call linchk (lun,2)
0593
0594      field = lib$extzv(0,8,emb$b_dv_slave)
0595
0596      write(lun,175) emb$b_dv_slave,field
0597 175    format(' ',t8,'UCB$b-SLAVE',t30,z2.2,/ ,t40,
0598          1 'DEVICE SLAVE CONTROLLER = ',i<compress4 (field)>,'.')
0599
0600      call linchk (lun,5)
0601
0602  c*****
0603
0604  c     the following code is dedicated to vms development with whose
0605  c     help it would have been unnecessary.
0606  c
0607
0608      field = lib$extzv(0,8,emb$b_dv_namlng)
0609
0610      if ((field+63) .lt. 77) then
0611
0612        do 180,i = (field+63),77
0613
0614          emb(i) = 0
0615
0616 180    continue
0617        endif
0618
0619  c*****
0620
```



```

0621      if (.not. sys$fao(fao_control1,,device_name,%val(16),
0622      1 %ref(ddb$t_name))) device_name = 'SYS$FAO FAILURE'
0623
0624      write(lun,185) (ddb$l_name(i),i = 0,3),device_name
0625      format(' ',t8,'DDB$t_NAME',4(t24,z8.8/),t40,'7',a,'/')
0626
0627      do 195,i = 0,min(432,(IAND(emb$l_dv_numreg,'0000FFFF'X)*4)),4
0628
0629      call linchk (lun,2)
0630
0631      field = i/4 + 1
0632
0633      write(lun,190) field,(emb(78+i+j),j = 3,0,-1)
0634      format(' ',t8,'LONGWORD ',i<compress4 (field)>,'.',t24,4z2.2,/)
0635
0636      195 continue
0637
0638      return
0639
0640      end

```

PROGRAM SECTIONS

Name	Bytes	Attributes
0 \$CODE	2790	PIC CON REL LCL SHR EXE RD NOWRT LONG
1 \$PDATA	1866	PIC CON REL LCL SHR NOEXE RD NOWRT LONG
2 \$LOCAL	356	PIC CON REL LCL NOSHR NOEXE RD WRT LONG
3 EMB	512	PIC OVR REL GBL SHR NOEXE RD WRT LONG
Total Space Allocated	5524	

ENTRY POINTS

Address	Type	Name	Address	Type	Name	Address	Type	Name	Address	Type	Name
0-00000000		UNKNOWN	0-00000017		UNKNOWN1	0-00000128		UNKNOWN2	0-00000670		UNKNOWN3

VARIABLES

Address	Type	Name	Address	Type	Name
3-0000003E	CHAR	DDB\$t_NAME	2-00000005	CHAR	DEVICE_NAME
3-0000001C	L*1	EMB\$B_DV_CLASS	3-00000010	L*1	EMB\$B_DV_ERTCNT
3-00000011	L*1	EMB\$B_DV_ERTMAX	3-0000003E	L*1	EMB\$B_DV_NAMLNG
3-0000003A	L*1	EMB\$B_DV_SLAVE	3-0000001D	L*1	EMB\$B_DV_TYPE
3-0000001E	L*1	EMB\$B_VM_NAMLNG	3-00000036	I*4	EMB\$L_DV_CHAR
3-00000012	I*4	EMB\$L_DV_IOSB1	3-00000016	I*4	EMB\$L_DV_IOSB2
3-00000026	I*4	EMB\$L_DV_MEDIA	3-0000004E	I*4	EMB\$L_DV_NUMREG
3-0000002E	I*4	EMB\$L_DV_OPCNT	3-00000032	I*4	EMB\$L_DV_OWNUIC
3-0000001E	I*4	EMB\$L_DV_RQPID	3-00000000	I*4	EMB\$L_HD_SID
3-00000014	I*4	EMB\$L_VM_ERRCNT	3-00000018	I*4	EMB\$L_VM_OPRCNT

3-00000010 I*4 EMB\$\$_VM_OWNUIC
 3-00000032 CHAR EMB\$\$_VM_LABEL
 3-00000024 I*2 EMB\$\$_DV_BCNT
 3-0000002C I*2 EMB\$\$_DV_ERRCNT
 3-0000001A I*2 EMB\$\$_DV_STS
 3-00000004 I*2 EMB\$\$_HD_ENTRY
 3-00000030 I*2 EMB\$\$_VM_NUMSET
 3-0000002E I*2 EMB\$\$_VM_VOLNUM
 2-0000001C I*4 FIELD
 AP-00000008a CHAR HEADER
 2-00000020 I*4 J
 2-00000001 L*1 MEMBER

3-0000003F CHAR EMB\$\$_DV_NAME
 3-0000001F CHAR EMB\$\$_VM_NAME
 3-00000022 I*2 EMB\$\$_DV_BOFF
 3-0000003C I*2 EMB\$\$_DV_FUNC
 3-0000002A I*2 EMB\$\$_DV_UNIT
 3-0000000E I*2 EMB\$\$_HD_ERRSEQ
 3-0000001C I*2 EMB\$\$_VM_UNIT
 2-00000002 CHAR FAO CONTROL1
 2-00000000 L*1 GROUP
 2-00000018 I*4 I
 AP-00000004a L*1 LUN

ARRAYS

Address	Type	Name	Bytes	Dimensions
3-0000003E	I*4	DDB\$\$_NAME	16	(0:3)
3-00000000	L*1	EMB	512	(0:511)
3-00000052	I*4	EMB\$\$_DV_REGSAV	420	(0:104)
3-00000006	I*4	EMB\$\$_HD_TIME	8	(0:1)
3-00000006	I*4	EMB\$\$_HD_TIME	8	(2)

LABELS

Address	Label	Address	Label	Address	Label	Address	Label	Address	Label	Address	Label
1-0000001C	2'	1-00000034	5'	1-00000061	10'	1-0000008E	15'	1-000000D0	20'	1-00000112	25'
1-0000014D	30'	1-00000186	35'	1-000001B1	40'	1-000001D9	45'	1-00000211	50'	1-00000247	55'
1-00000277	60'	1-000002B3	65'	1-000002EE	70'	1-0000032C	75'	1-00000368	80'	1-000003A2	85'
1-000003DF	90'	1-00000415	95'	1-0000044A	100'	1-0000048A	105'	**	108	1-000004B7	110'
1-000004DD	120'	**	130	1-000004FF	135'	1-00000527	140'	1-0000055F	145'	1-00000595	150'
1-000005D1	155'	1-0000060B	160'	1-00000648	165'	1-0000067E	170'	1-000006B3	175'	**	180
1-000006F3	185'	1-00000719	190'	**	195						

FUNCTIONS AND SUBROUTINES REFERENCED

Type	Name	Type	Name	Type	Name	Type	Name
I*4	COMPRESS4	I*4	LIB\$EXTZV		LINCHK	L*4	SYSS\$FAO

COMMAND QUALIFIERS

FORTRAN /LIS=LIS\$:UNKNOWN/OBJ=OBJ\$:UNKNOWN MSRC\$:UNKNOWN

/CHECK=(NOBOUNDS,OVERFLOW,NOUNDERFLOW)

/DEBUG=(NOSYMBOLS,TRACEBACK)

/STANDARD=(NOSYNTAX,NOSOURCE FORM)

/SHOW=(NOPREPROCESSOR,NOINCLUDE,MAP)

/F77 /NOG_FLOATING /I4 /OPTIMIZE /WARNINGS /NOD_LINES /NOCROSS_REFERENCE /NOMACHINE_CODE /CONTINUATIONS=19

UNKNOWN

I 16
16-Sep-1984 00:29:50
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DISK\$VMSMASTER:[ERF.SRC]UNKNOWN.FOR;1 Page 10

COMPILATION STATISTICS

Run Time:	7.92 seconds
Elapsed Time:	20.02 seconds
Page Faults:	237
Dynamic Memory:	236 pages

0154

AH-BT13A-SE
VAX/VMS V4.0

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